



Applies To: **1999 Accord L4** – ALL VIN 1HG... only  
**2000 Accord L4** – From VIN 1HGCF8...YA000001 thru 1HGCF8...YA069947  
 – From VIN 1HGCG3...YA000001 thru 1HGCG3...YA009157  
 – From VIN 1HGCG5...YA000001 thru 1HGCG5...YA067156  
 – From VIN 1HGCG6...YA000001 thru 1HGCG6...YA067646

**December 18, 2001**

## Coolant Leak From the Engine Block (Supersedes S/B 01-092, dated October 23, 2001)

### SYMPTOM

Coolant is leaking where the connecting pipe fits into the engine block.

### PROBABLE CAUSE

The O-ring groove diameter of the connecting pipe is too small. This, together with accumulated road grime, can cause the coolant to seep past the O-ring. This problem is especially common in areas of the U.S. where the roads are treated for a buildup of snow and ice.

### CORRECTIVE ACTION

Look for a coolant trail where the connecting pipe fits into the engine block. Replace the connecting pipe and both O-rings if you see a coolant trail.

### PARTS INFORMATION

Connecting Pipe:

P/N 19505-PAA-A00, H/C 5429162

O-Ring (two required for connecting pipe):

P/N 91314-PH7-003, H/C 2373553

Gasket (O-Ring) (one required for thermostat housing):

P/N 91312-P0A-000, H/C 4326740

Oil Filter:

P/N 15400-P0H-305, H/C 4908182

### REQUIRED MATERIALS

Honda All Season Antifreeze/Coolant Type 2 (1 quart):

P/N OL999-9002, H/C 6562672

5W-20 Engine Oil (1 quart):

P/N 08798-9023, H/C 6512610

3M Scotch-Brite General Purpose Pad—Maroon:

(Commercially available. 3M color-codes these pads to denote specific uses. You need the maroon-colored pad for this repair.)

### WARRANTY CLAIM INFORMATION

**In warranty:** The normal warranty applies.

Operation Number: 114109

Flat Rate Time: 0.8 hour

Failed Part: P/N 19505-PAA-A00  
H/C 5429162

Defect Code: 060

Contention Code: B06

Template ID: 01-092A

Skill Level: Repair Technician

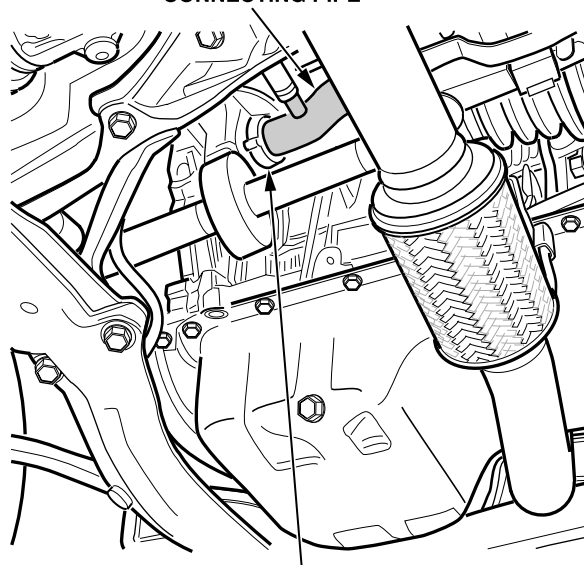
**Out of warranty:** Any repair performed after warranty expiration may be eligible for goodwill consideration by the District Service Manager or your Zone Office. You must request consideration, and get a decision, before starting work.

### DIAGNOSIS

Raise the vehicle on a lift. Look for a coolant trail where the connecting pipe fits into the engine block.

- If you see a coolant trail, go to REPAIR PROCEDURE.
- If you do *not* see a coolant trail, look for other possible causes for the leak.

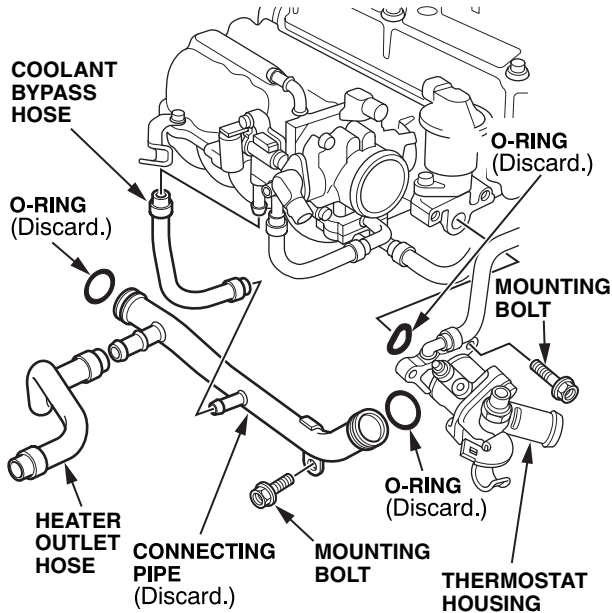
**CONNECTING PIPE**



Look for a coolant trail here, where the pipe fits into the engine block.

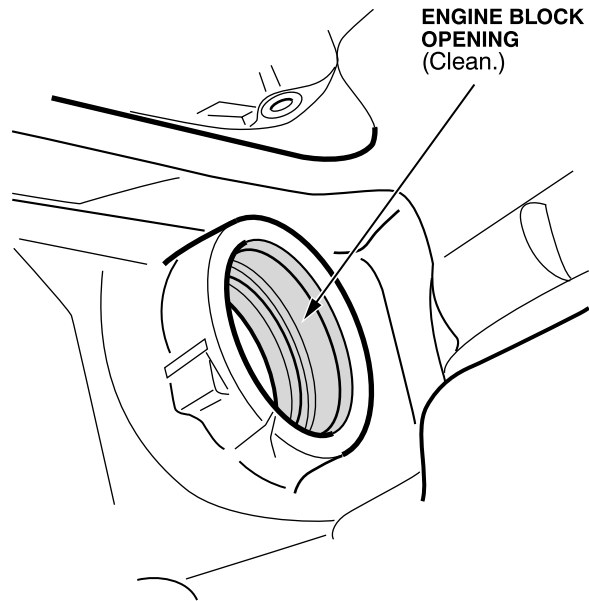
## REPAIR PROCEDURE

1. Remove and discard the oil filter. (This lets you get at the connecting pipe.)
2. Drain the coolant from the system. Use a clean container to collect the coolant, since you will be reusing the coolant later.
3. Detach the heater outlet hose and the coolant bypass hose from the connecting pipe.



4. Remove the connecting pipe mounting bolt.
5. Remove the air intake duct.
6. Unplug the 2P connector from the engine coolant temperature (ECT) sensor on the thermostat housing. Remove the two thermostat housing mounting bolts, and gently pull the housing away from the connecting pipe. (You do *not* need to fully remove the thermostat housing.) Discard the O-ring.
7. Remove and discard the connecting pipe and O-rings.

8. Use a maroon-colored Scotch-Brite pad to clean the engine block opening for the connecting pipe.



9. Place a new O-ring on each end of the new connecting pipe. Lubricate both O-rings with engine oil to prevent damage during installation.
10. Slide the connecting pipe into the engine block opening, and loosely reinstall the mounting bolt.
11. Position a new O-ring on the back of the thermostat housing, and slide the connecting pipe into the housing, being careful not to damage the O-ring.
12. Reinstall the thermostat housing mounting bolts. Torque the bolts to 12 N·m (8.7 lb-ft). Plug the 2P connector into the ECT sensor.
13. Reinstall the air intake duct.
14. Make sure the connecting pipe is properly installed and seated. Torque the mounting bolt to 12 N·m (8.7 lb-ft). Attach the heater outlet hose and the coolant bypass hose.
15. Install a new oil filter. (Do *not* reuse the old filter. The old gasket on the filter may not seal properly, causing oil leakage and possible engine failure.)
16. Refill the cooling system with the coolant you saved in step 2. Make sure you check for the correct protection level. If you need to add coolant, use *only* Honda All Season Antifreeze/Coolant Type 2.
17. Start the engine, and bleed the cooling system (see page 10-11 of the 1998–02 Accord Service Manual). Make sure the heater control is set to MAX heat. Let the cooling fan cycle on and off several times.
18. Turn off the engine, and check the engine oil level. Add 5W-20 engine oil as needed.